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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/506,393	11/18/2004	Martin Jacobus Hoeijmakers	VE.20	1427

25871 7590 02/09/2006

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EXAMINER	
NGUYEN, HANH N	
ART UNIT	**PAPER NUMBER**
2834	

DATE MAILED: 02/09/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/506,393	HOEIJMAKERS, MARTIN JACOBUS	
	Examiner	Art Unit	
	Nguyen N. Hanh	2834	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☐ Responsive to communication(s) filed on _____.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-10* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-10* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *18 November 2004* is/are: a)☐ accepted or b)☒ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 1104.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Drawings

1. Figures 1 and 2 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Objections

2. Claim 4 is objected to because of the following informalities: "characterized cy" in line 2 of claim 1. Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-10 are rejected under 35 U.S.C. 102(b) as being anticipated by Seguchi et al.

Regarding claim 1, Seguchi et al. disclose an electromechanical converter (1000 in Fig. 1) comprising a primary shaft (1213) having a rotor (1210) mounted thereon, a

secondary shaft (1810) having an interrotor (1310) mounted thereon, and a stator (1410), fixedly mounted to a housing (1720) of the electromechanical converter, wherein, viewed from the primary shaft (1213) in a radial direction, the rotor (1210), the interrotor (1310) and the stator (1410) are arranged concentrically relative to each other, and wherein the rotor (1210) and the stator (1410) comprise one or more windings (1211 and 1411), and wherein the interrotor comprises one whole both mechanically and electromagnetically, and is arranged as a conductor (1227 and 1427) for the magnetic flux in an at least tangential direction.

Regarding claim 2, Seguchi et al. disclose an electromechanical converter characterized in that in the interrotor (1310) comprises an electric and a magnetic circuit, and the magnetic circuit comprises a cylinder having two sides with both sides defining longitudinally extending grooves in which the electric circuit-forming shortcicuit windings extend (Fig. 4).

Regarding claim 3, Seguchi et al. disclose an electromechanical converter characterized in that the interrotor (1310) is formed by a magnetic flux conducting cylinder, and the electromagnetic converter further comprises permanently magnetic material applied on opposite first and second sides of the interrotor (Fig. 4 and Col. 9, lines 3-9).

Regarding claim 4, Seguchi et al. disclose an electromechanical converter characterized in that the interrotor (1310) is formed by a magnetic flux conducting cylinder, and the electromechanical converter further comprises: permanently magnetic material applied and on a first side of the interrotor (Fig. 4 and Col. 9, lines 3-9);

longitudinally extending grooves are associated with a second side of the interrotor in which an electrically accessible winding is provided (grooves to accommodate windings as shown in Fig. 4).

Regarding claim 5, Seguchi et al. disclose an electromechanical converter characterized by the stator winding (1411 in Fig. 1) and rotor winding (1211) are mutually connected with each other via one or more power electronic converters (200, 400).

Regarding claim 6, Seguchi et al. disclose an electromechanical converter characterized in that said one or more power electronic converters (200, 400 in Fig. 1) being electrically accessible via an electric gate (500).

Regarding claim 7, Seguchi et al. disclose an electromechanical converter characterized in that the stator winding (1411 in Fig. 1) and rotor winding (1211) are separately accessible through a power electronic converter (200 and 400) and an electric gate (500).

Regarding claim 8, Seguchi et al. disclose an apparatus (intended use, patentable weight not given) provided with an electromechanical converter.

Regarding claim 9, Seguchi et al. disclose an apparatus (intended use, patentable weight not given) provided with an electromechanical converter wherein the apparatus is selected from the group consisting of an apparatus for starting a driving combustion engine and an apparatus for supplying electrical equipment.

Regarding claim 10, Seguchi et al. disclose an apparatus (intended use, patentable weight not given) provided with an electromechanical converter further comprising a system for the storage of energy.

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hanh N Nguyen whose telephone number is (571) 272-2031. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner 's supervisor, Darren Schuberg, can be reached on (571) 272-2044. The fax phone numbers for the organization where this application or proceeding is assigned are (571) 273-8300 for regular communications and (571) 273-8300 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1782.

HNN

January 26, 2006

DARREN SCHUBERG
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800